

MODIS sensor Working Group (MsWG) Meeting Summary

June 6, 2007

Attendance: Gerhard Meister, Bill Barnes, Scott Blanchard, Eric Vermote, Zhengming Wan, Gary Toller, Junqiang Sun, James Kuyper, Vincent Chiang, Elena Novakovskaia, Jack Xiong, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Aqua forward update – 5.0.7.21 (6/1/07) – m1, RVS
- Aqua special Ocean LUT delivery (6/6/07)

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Terra Solid State Recorder DMU Swap activity scheduled for June 7 (2007/158). Science data recording will be disabled from approximately 158/10:30 to 158/16:30 GMT. James Kuyper is working with the DB community to retrieve any L0 data captured from DB during the DMU swap. He estimates about 40% is potentially recoverable.

Item 3: MCST recent activities

- Continuing discussion of possible Collection 6 issues. No timetable has been set for a new collection; the idea is to get a head start on known issues we'd like to address in the event of a Collection 6.
 - o Fill Value vs Interpolated L1B: Code delivered and one-day test data set is now available. Awaiting response from land and atmosphere personnel regarding the test data. Eric Vermote requested the data be made available through LAADS, James Kuyper will see if that is possible.
- Jack Xiong had several clarifying comments on the other Coll. 6 items:
 - o A0/A2 – MCST will produce some granules using the proposed new approach and will coordinate with Chris Moeller and Zhengming Wan to verify the consistency of the data.
 - o Destriping – L1B group to investigate incorporating the Wisconsin destriping algorithm into the L1B code.
 - o Detector dependent RVS – MCST to develop a limited test dataset (Bands 8, 9 & 10) and coordinate with Ocean group on analysis.
 - o Mirror side correlated noise – not an L1B issue, moved to internal MCST analysis.
 - o Operational QA reporting – investigate how to treat DN=0 in L1B
 - o Add ability to handle dead thermistor – e.g. if one of 12 BB thermistors becomes non-functional.

Item 4: Around the Table

- Bill Barnes discussed a paper he is reviewing that observed a ~1% jump in Aqua Band 2 around Nov 2002. They used Coll 4 data so there are questions if the same jump is observed in Coll 5. Jack Xiong will send date of observed jump to Eric Vermote so he can check land products for data continuity over that time period.

Next Meeting: ~June 20, 2007